

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

UTILITY  
PATENT APPLICATION  
TRANSMITTAL

*(Only for new nonprovisional applications under 37 C.F.R. 1.53(b))*

**APPLICATION ELEMENTS**

See MPEP chapter 600 concerning utility patent application contents.

1.  Fee Transmittal Form (e.g., PTO/SB/17)  
(Submit an original and a duplicate for fee processing)

2.  Applicant claims small entity status.  
See 37 CFR 1.27.

3.  Specification [Total Pages 57]  
(preferred arrangement set forth below)  
 - Descriptive title of the Invention  
 - Cross Reference to Related Applications  
 - Statement Regarding Fed sponsored R & D  
 - Reference to sequence listing, a table, or a computer program listing appendix  
 - Background of the Invention  
 - Brief Summary of the Invention  
 - Brief Description of the Drawings (if filed)  
 - Detailed Description  
 - Claim(s)  
 - Abstract of the Disclosure

4.  Drawing(s) (35 U.S.C. 113) [Total Sheets 9]

5. Oath or Declaration [Total Pages 2]  
 a.  Newly executed (original or copy)  
 b.  Copy from a prior application (37 CFR 1.63 (d))  
 (for a continuation/divisional or with Box 18 completed)  
 i.  DELETION OF INVENTOR(S)  
 Signed statement attached deleting inventor(s)  
 named in the prior application, see 37 CFR  
 1.63(d)(2) and 1.33(b).

6.  Application Data Sheet. See 37 CFR 1.76

**ADDRESS TO:**

Mail Stop: Patent Application  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

7.  CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)

8. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary)  
 a.  Computer Readable Form (CRF)  
 b. Specification Sequence Listing on:  
 i.  CD-ROM or CD-R (2 copies); or  
 ii.  paper  
 c.  Statements verifying identity of above copies

**ACCOMPANYING APPLICATIONS PARTS**

9.  Assignment Papers (cover sheet & document(s))

10.  37 C.F.R. §3.73(b) Statement  Power of (when there is an assignee) Attorney

11.  English Translation Document (if applicable)

12.  Information Disclosure Statement (IDS)/PTO-1449  Copies of IDS Citations

13.  Preliminary Amendment

14.  Return Receipt Postcard (MPEP 503)  
(Should be specifically itemized)

15.  Certified Copy of Priority Document(s)  
(if foreign priority is claimed)

16.  Nonpublication Request under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent.

17.  Other: Credit Card Payment Form

18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76.

Continuation  Divisional  Continuation-in-part (CIP)

of prior application No. 09/512,775

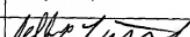
Group / Art Unit: 2625

Prior application information: Examiner K. Patel  
For CONTINUATION or DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

**17. CORRESPONDENCE ADDRESS**

<input checked="" type="checkbox"/> Customer Number or Bar Code Label	00616	or <input type="checkbox"/> Correspondence address below
(Insert Customer No. or Attach bar code label here)		

Name			
Address			
City	State	Zip Code	
Country	Telephone	Fax	

Name (Print/Type)	Jeffrey J. Lotspeich	Registration No. (Attorney/Agent)	45,737
Signature			Date
		September 18, 2003	

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Mail Stop Patent Application, P.O. Box 1450, Alexandria, VA 22314-1450.



# FEE TRANSMITTAL for FY 2003

Patent fees are subject to annual revision.

**TOTAL AMOUNT OF PAYMENT** (\$ 795)

Approved for use through 04/30/2003 OMB 0651-0032  
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Complete if Known	
Application Number	
Filing Date	September 18, 2003
First Named Inventor	Lester F. Ludwig
Examiner Name	Unknown
Group / Art Unit	Unknown
Attorney Docket No.	2738-11

**METHOD OF PAYMENT** (check all that apply)

Check  Credit card  Money  Other  None  
 Order

Deposit Account:

Deposit Account Number	020460
Deposit Account Name	THE MAXHAM FIRM

The Commissioner is authorized to: (check all that apply)  
 Charge fee(s) indicated below  Credit any overpayments  
 Charge any additional fee(s) during the pendency of this application  
 Charge fee(s) indicated below, except for the filing fee  
 to the above-identified deposit account.

**FEES CALCULATION**

**1. BASIC FILING FEE**

Large Entity	Small Entity	Fee Code (\$)	Fee (\$)	Fee Description	Fee Paid
1001	750	2001	375	Utility filing fee	375
1002	330	2002	165	Design filing fee	
1003	520	2003	260	Plant filing fee	
1004	750	2004	375	Reissue filing fee	
1005	160	2005	80	Provisional filing fee	
<b>SUBTOTAL (1)</b>					(\$ 375)

**2. EXTRA CLAIM FEES**

		Extra Claims	Fee from below	Fee Paid
Total Claims	82	-20 **	= 42	X 9 = 378
Independent Claims	4	-3 **	= 1	X 42 = 42
Multiple Dependent			X	= 0

Large Entity	Small Entity	Fee Code (\$)	Fee (\$)	Fee Description
1202	18	2202	9	Claims in excess of 20
1201	84	2201	42	Independent claims in excess of 3
1203	280	2203	140	Multiple dependent claim, if not paid
1204	84	2204	42	** Reissue independent claims over original patent
1205	18	2205	9	** Reissue claims in excess of 20 and over original patent
<b>SUBTOTAL (2)</b>				
(\$ 420)				

\*\*or number previously paid, if greater. For Reissues, see above

**FEES CALCULATION (continued)**

**3. ADDITIONAL FEES**

Large Entity	Small Entity	Fee Code (\$)	Fee (\$)	Fee Description	Fee Paid
1051	130	2051	65	Surcharge - late filing fee or oath	
1052	50	2052	25	Surcharge - late provisional filing fee or cover sheet	

1053	130	1053	130	Non-English specification
1812	2,520	1812	2,520	For filing a request for reexamination
1804	920*	1804	920*	Requesting publication of SIR prior to Examiner action

1805	1,840*	1805	1,840*	Requesting publication of SIR after Examiner action
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1251	110	2251	55	Extension for reply within first month
1252	410	2252	205	Extension for reply within second month

1253	930	2253	465	Extension for reply within third month
1254	1,450	2254	725	Extension for reply within fourth month

1255	1,970	2255	985	Extension for reply within fifth month
1491	320	2491	160	Notice of Appeal

1402	320	2402	160	Filing a brief in support of an appeal
1403	280	2403	140	Request for oral hearing

1451	1,510	1451	1,510	Petition to institute a public use proceeding
1452	110	2452	55	Petition to revive - unavoidable

1453	1,300	2453	650	Petition to revive - unintentional
1501	1,300	2501	650	Utility issue fee (or reissue)

1502	470	2502	235	Design issue fee
1503	630	2503	315	Plant issue fee

1460	130	1460	130	Petitions to the Commissioner
1807	50	1807	50	Processing fee under 37 CFR 1.17 (q)

1806	180	1806	180	Submission of Information Disclosure Stmt
8021	40	8021	40	Recording each patent assignment or property (times number of properties)

1809	750	2809	375	Filing a submission after final rejection (37 CFR 1.129(a))
1810	750	2810	375	For each additional invention to be examined (37 CFR 5.1.129(b))

1801	750	2801	375	Request for Continued Examination (RCE)
1802	900	1802	900	Request for expedited examination of a design application

Other fee (specify)

\*Reduced by Basic Filing Fee Paid

**SUBTOTAL (3)**

(\$ 0)

Complete (if applicable)

SUBMITTED BY					
Name (Print/Type)	Jeffrey J. Lotspiech	Registration No. Attorney/Agent)	45,737	Telephone	619-233-9004
Signature					
Date	September 18, 2003				

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038. Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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DATE OF DEPOSIT: September 18, 2003

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UNDER 37 CFR 1.10 ON THE DATE INDICATED ABOVE AND  
IS ADDRESSED TO MAIL STOP PATENT APPLICATION,  
COMMISSIONER FOR PATENTS, P.O. BOX 1450, ALEXANDRIA VA  
22313-1450.

BELINDA M. OWENS  
(NAME)

*Belinda M. Owens*  
(SIGNATURE)